

“Canada and the United States have reached the point in our histories where we can no longer think of each other as foreign countries”

Harry S. Truman



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CANADIAN NAVAL TRANSFORMATION

“Geography has made us neighbors. History has made us friends. Economics has made us partners. And necessity has made us allies. Those whom nature hath so joined together, let no man put asunder.”

John F. Kennedy

**CANADIAN
NAVY**



**MARINE
CANADIENNE**

CANADIAN FACTS

- Canada buys more US goods than the entire European Union
- Canada buys more US goods than all of Latin America
- Canada buys twice as many US goods as China and Japan combined
- \$1,400,000,000 USD in trade flows across our border **each day**, including more than half of all US auto exports
- Canada is the USA's largest supplier of energy – including oil and natural gas



US Dept Commerce (2003 figures)

THE CANADIAN NAVY

3 DDH



12 FFH



2 AOR



4 SS



12 PB



SMALL - BUT MODERN & CAPABLE

- Force AAW/USW/ASuW
- Highly integrated Weapons/Sensors
- High Capacity for Command and Control
- Modern & Lethal Weapons systems
- Modern Sensors
- Modern EW/ECM/ECCM Suites
- Outstanding Communications Suites

SUPERB SAILORS

- Highly trained, educated, motivated

CONCRETE COMMITMENT

- Canada can exert control over its ocean areas
- Meaningful commitment to allied operations at sea

CANADIAN
NAVY



MARINE
CANADIENNE



NATIONAL SECURITY PLAN

SECURITY

DEFENCE

DEFEND CANADA AT HOME

**Protect Canada and
Canadians at home**

**Ensure Canada is not
a base for threats to
allies**

DEFEND CANADA ABROAD

**Protect Canada and
Canadians abroad**

**Contribute to
international security**

PROVIDING SECURITY & DEFENCE

NEW PARTNERSHIPS & COOPERATION

- Joint operations
- Combined
- Interdepartmental

A NEW JOINT & INTERAGENCY MODEL

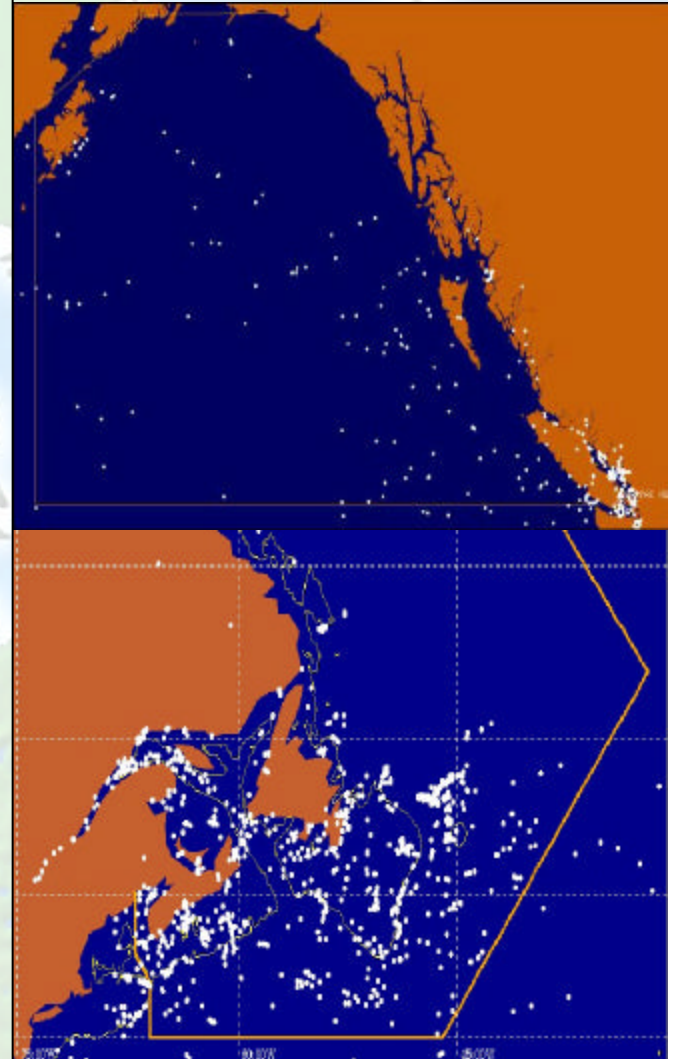
**Complexity,
flexibility, agility of
the threat needs to
be reflected in our
solutions**

NEW LEVELS OF AGILITY & FLEXIBILITY

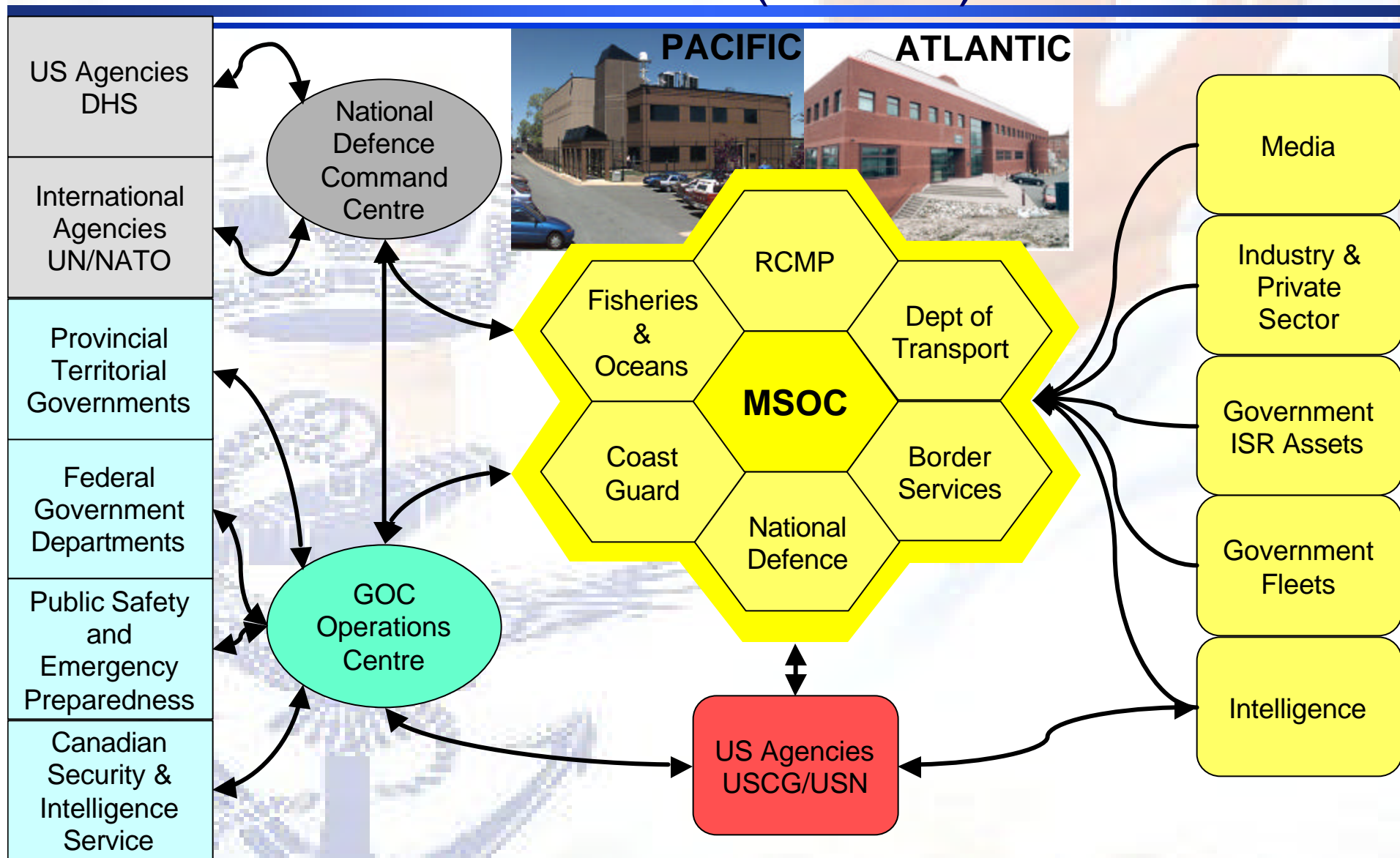
- Rapid reaction
- Maximal utility
- Wide capability

MARITIME SECURITY

- **NEW NATIONAL SECURITY PLAN**
 - Navy taking leadership role to secure maritime frontiers
- **JOINT PLAN OF ACTION BETWEEN GOVERNMENT DEPARTMENTS TO:**
 - Enhance coordination and response
 - *Create coordination protocols*
 - *Create interagency operations centres*
 - Increase domain awareness in our ocean areas
 - Improve surveillance capacity
 - *Coordination of existing fleets*
 - *Smart use of new technologies*

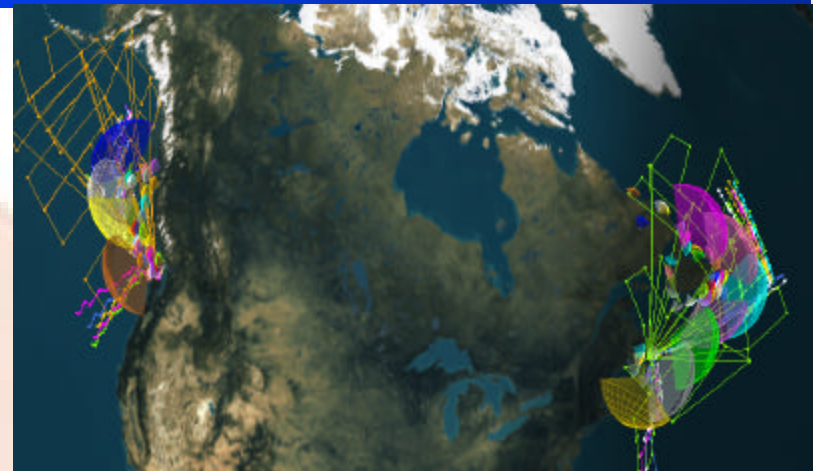


MARITIME SECURITY OPERATIONS CENTRES (MSOC)



MARITIME SECURITY

- HF SURFACE WAVE RADAR (HFSWR)
 - Low-End of HF Spectrum
 - Pacific & Atlantic Approaches
 - 200nm ~ Ships & Low flying A/C
- EXPERIMENTATION
 - Air/Underwater/Surface mobile uninhabited systems
 - Static Rapidly Deployable systems
 - Remote mine-hunting systems



Experimentation Maritime ISR Sensors

Satellite
Surveillance
Systems

Uninhabited Air Vehicles

Manned Systems

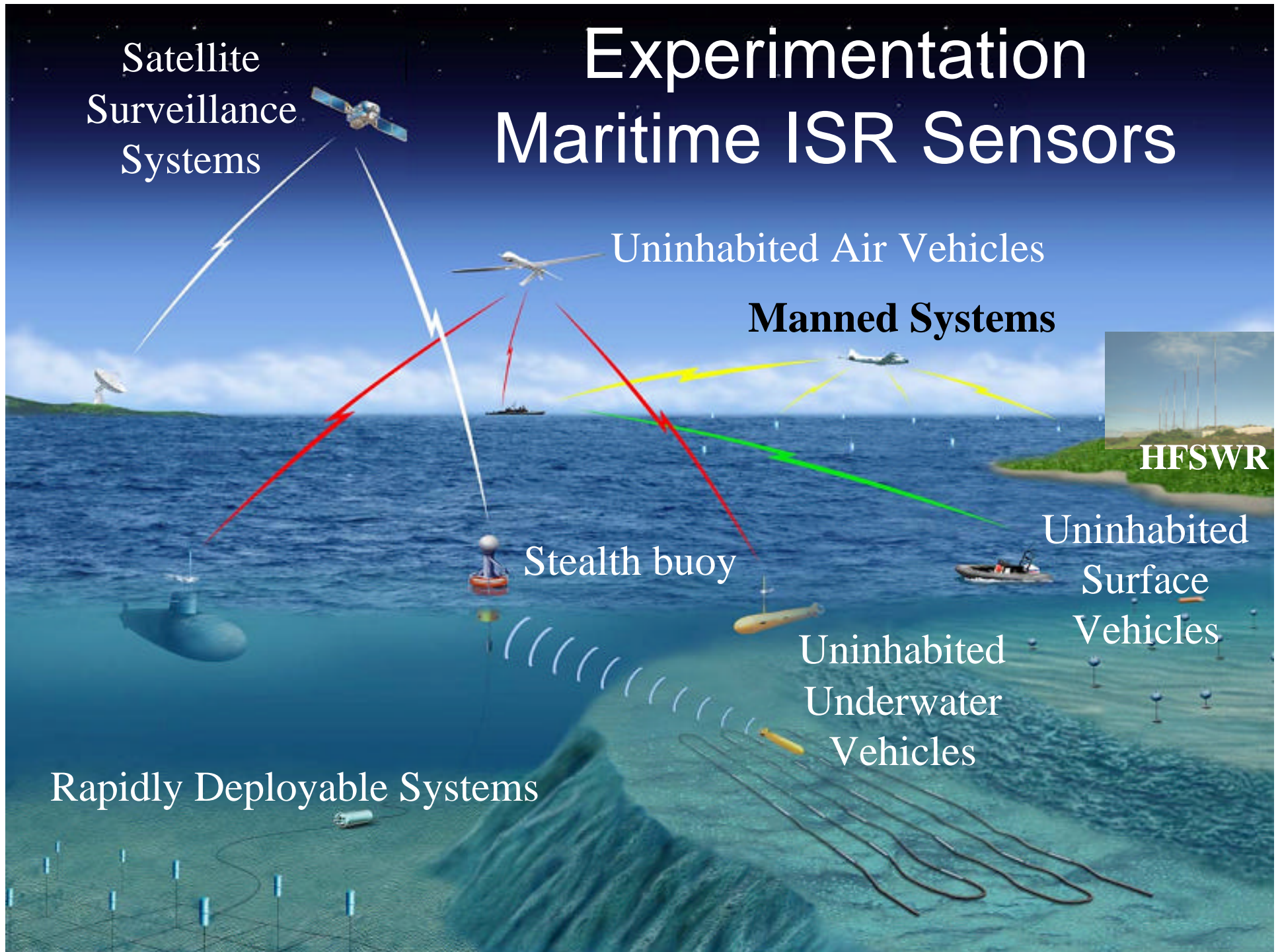
HFSWR

Uninhabited
Surface
Vehicles

Uninhabited
Underwater
Vehicles

Stealth buoy

Rapidly Deployable Systems



DEFENCE RESEARCH & DEVELOPMENT CANADA

Suffield

Valcartier

Ottawa

Atlantic

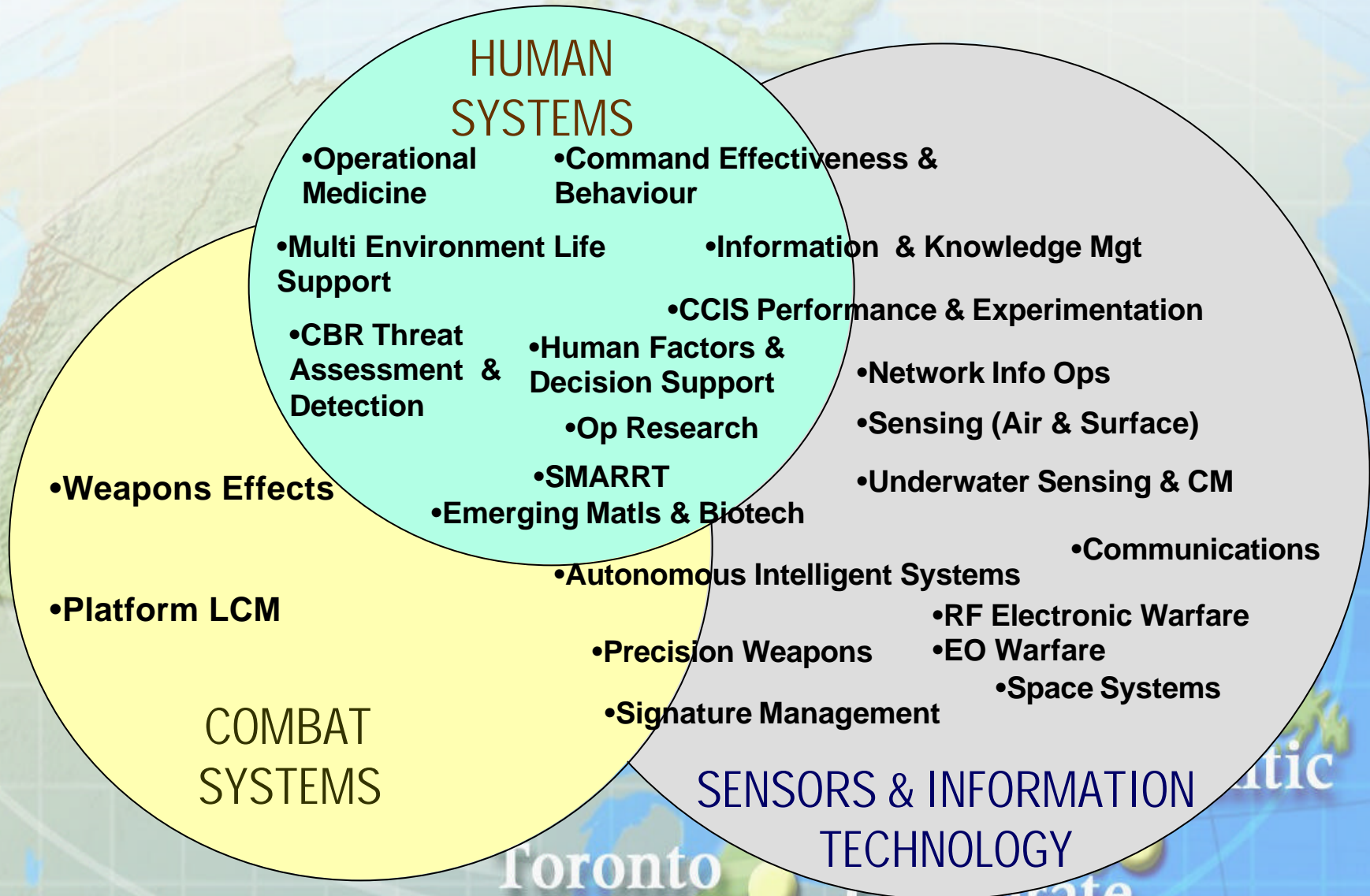
Toronto

Corporate

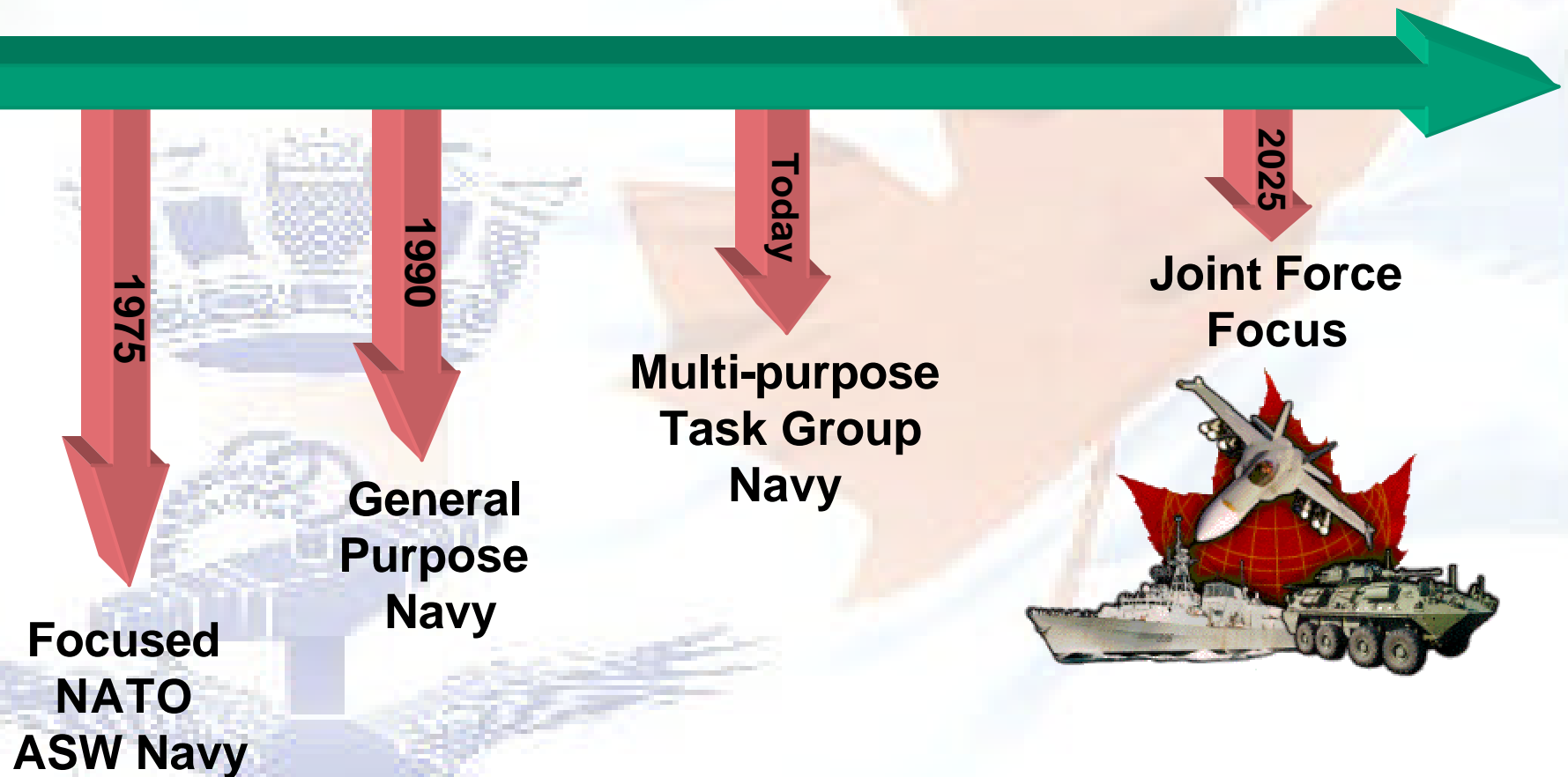
PARTNERS

Industry, Academia,
Other Government Departments
and Allies

DEFENCE RESEARCH & DEVELOPMENT CANADA

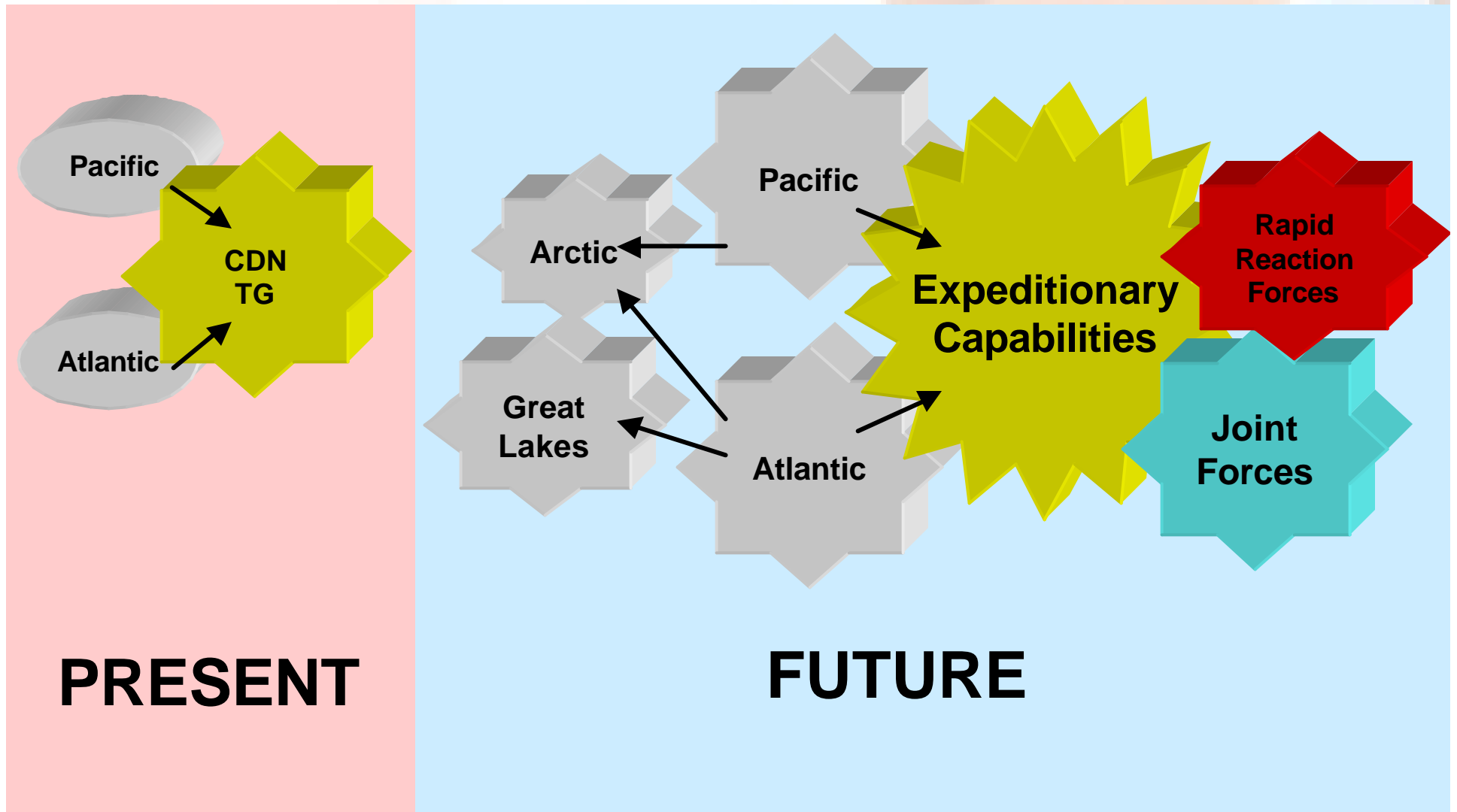


FUTURE DIRECTION



EXPANDED CAPABILITIES

CAPABILITIES TO GOVERNMENT



FUTURE EVOLUTION



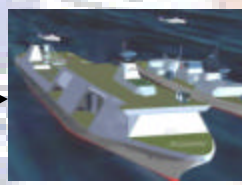
SS



Mid Life Update (SELEX)



AOR



Joint Support Ship



Destroyers

Capability Sustainment
C2 & AAD



Frigates



Mid Life Update (FELEX)



Single Surface
Combatant

2005

2010

2015

2020

2025

2030

CANADIAN
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MARINE
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